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(33)優先権主張国 米国 (U S)

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最終頁に続く

(54)【発明の名称】 径頭蓋骨脳刺激

(57)【要約】

径頭蓋骨磁気刺激の装置と方法である。本装置は、鉄コアを用いることなく、従来の磁気刺激コイルより高い電力効率及びより低い発熱で径頭蓋骨刺激を可能とする。本装置の使用により、言語機能を司る活性部位の特定のための進歩した方法を可能とする。本装置は、さらに、鬱病を治療するための高周波径頭蓋骨磁気刺激においても使用可能である。

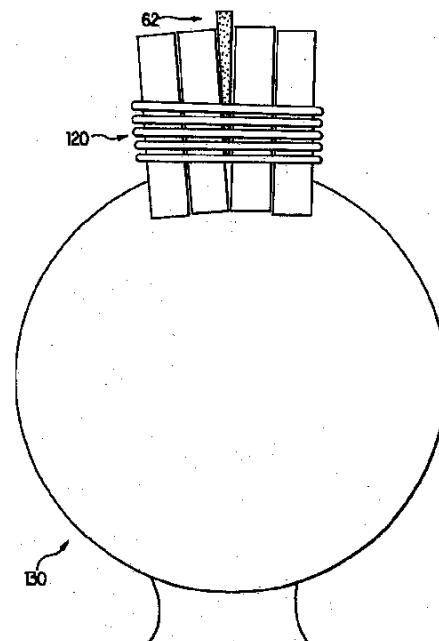


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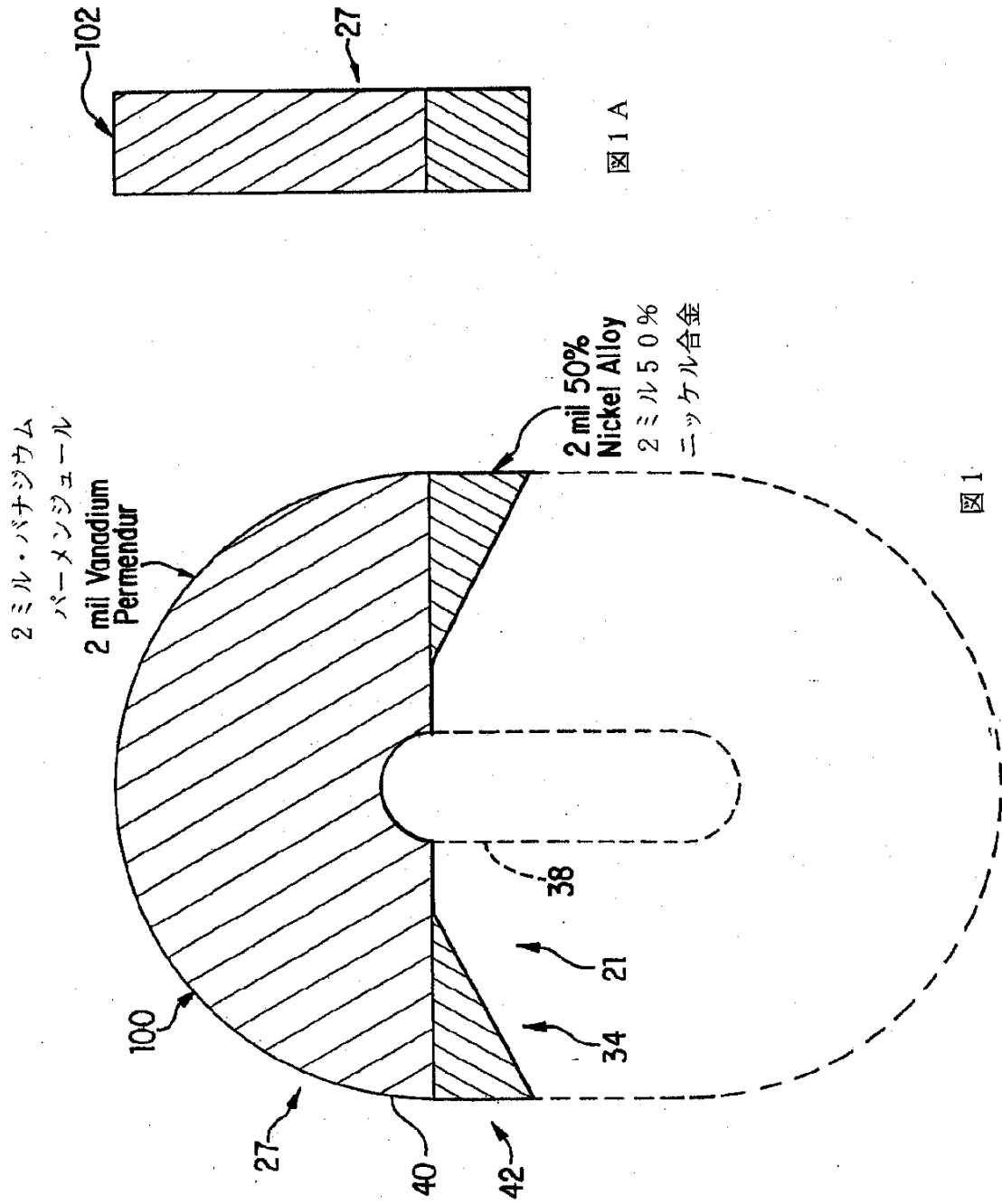
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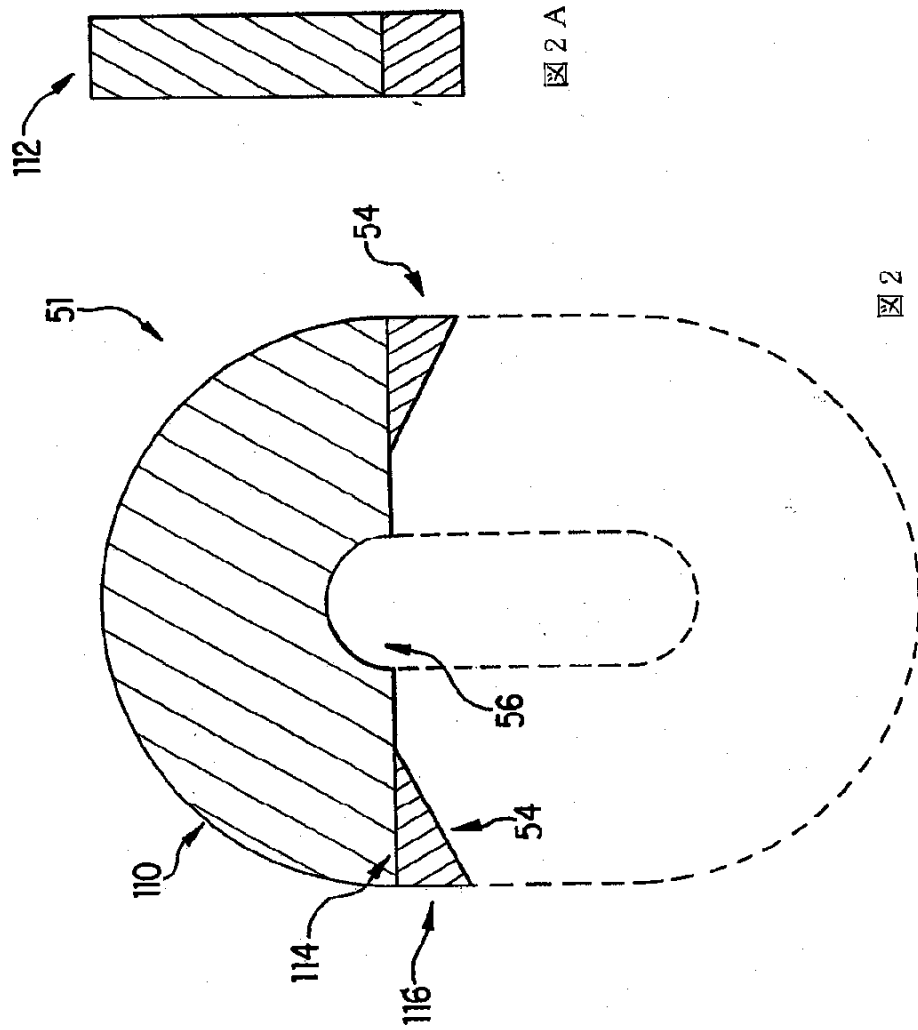
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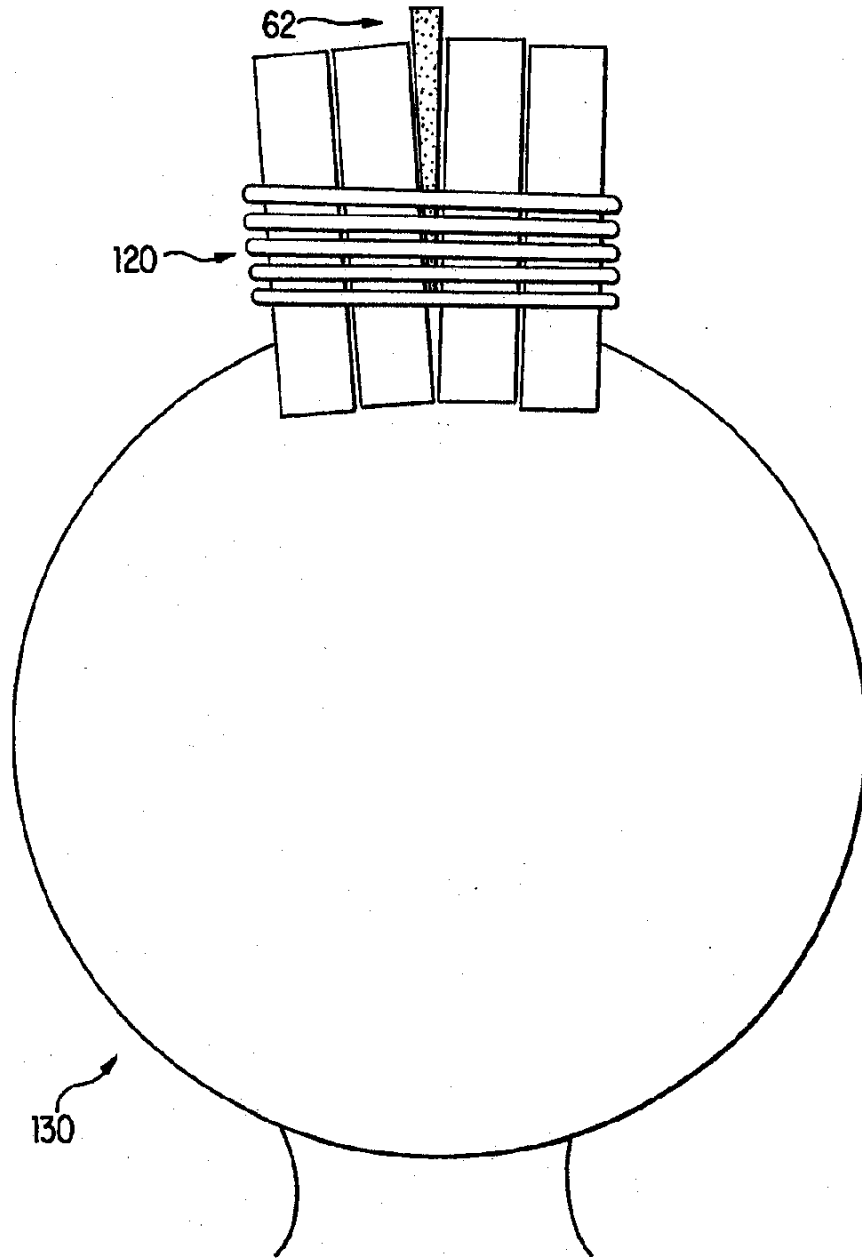


图 3

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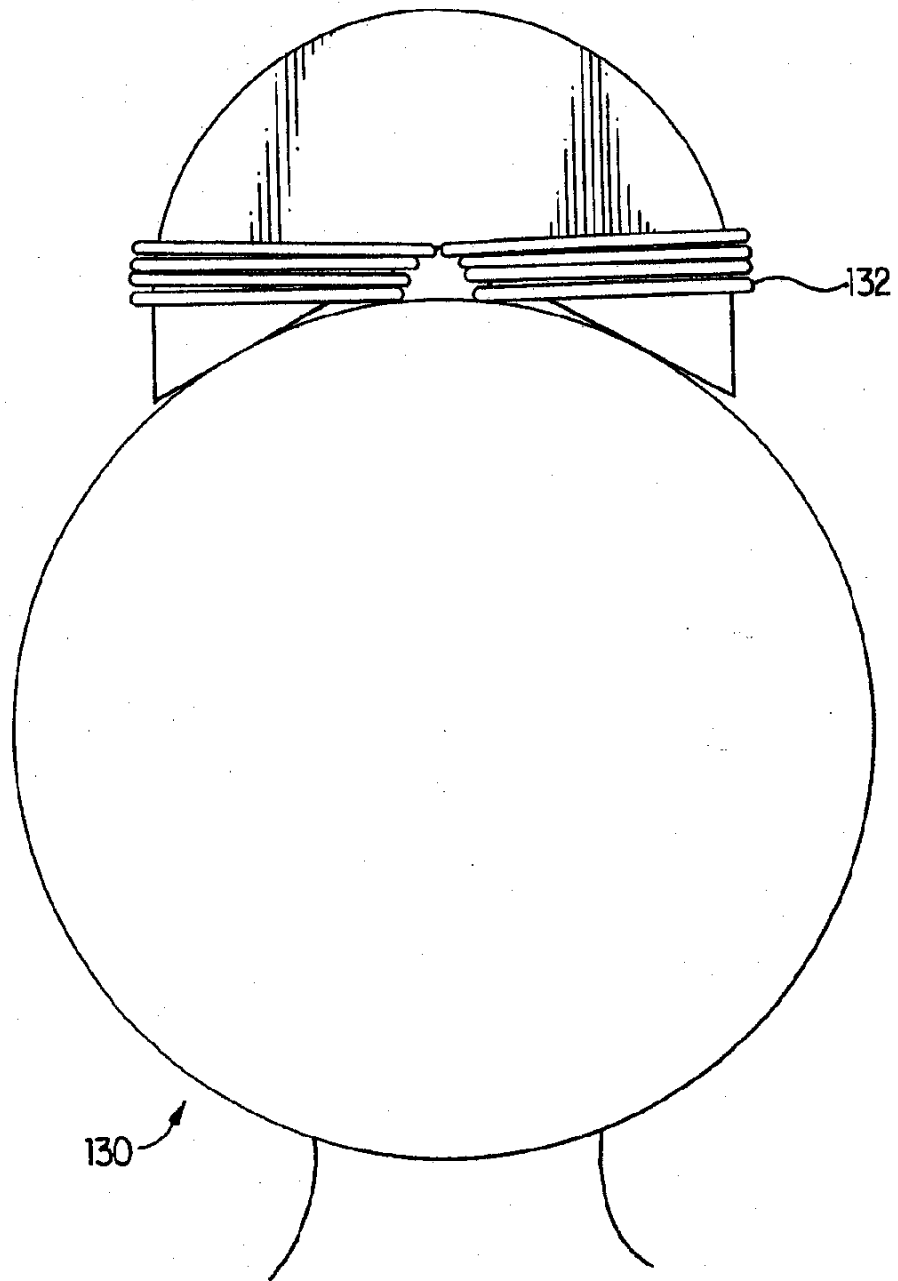


图 4

表1 r TMSの前に渡された抗鬱病投薬

TABLE: 1
ANTIDEPRESSANT DOSAGES RECEIVED
PRIOR TO rTMS

MEDICATION DOSAGES	# OF PATIENTS TAKING
PAXIL \geq 20 mg	15
PROZAC \geq 20 mg	6
ZOLOFT \geq 50 mg	4
TRAZADONE \geq 200 mg	1
EFFEXOR \geq 150 mg	1
WELLBUTRIN \geq 300 mg	3

表2 反応者と非反応者の年齢及び性別

TABLE: 2
AGE AND SEX OF RESPONDERS & NON-RESPONDERS

AGE	RESPONDERS	NON-RESPONDERS
MEAN	35	46
RANGE	32-62	22-64
MALES	7	7
FEMALES	9	5

表3 反応者と非反応者の判定

TABLE: 3
DIAGNOSIS OF RESPONDERS AN NON-RESPONDERS

DIAGNOSIS	RESPONDERS	NON-RESPONDERS
MAJOR DEPRESSION UNIPOLAR RECURRENT	14	11
MAJOR DEPRESSION RECURRENT WITH PSYCHOTIC FEATURES	1	1
BIPOLAR DISORDER	2	1

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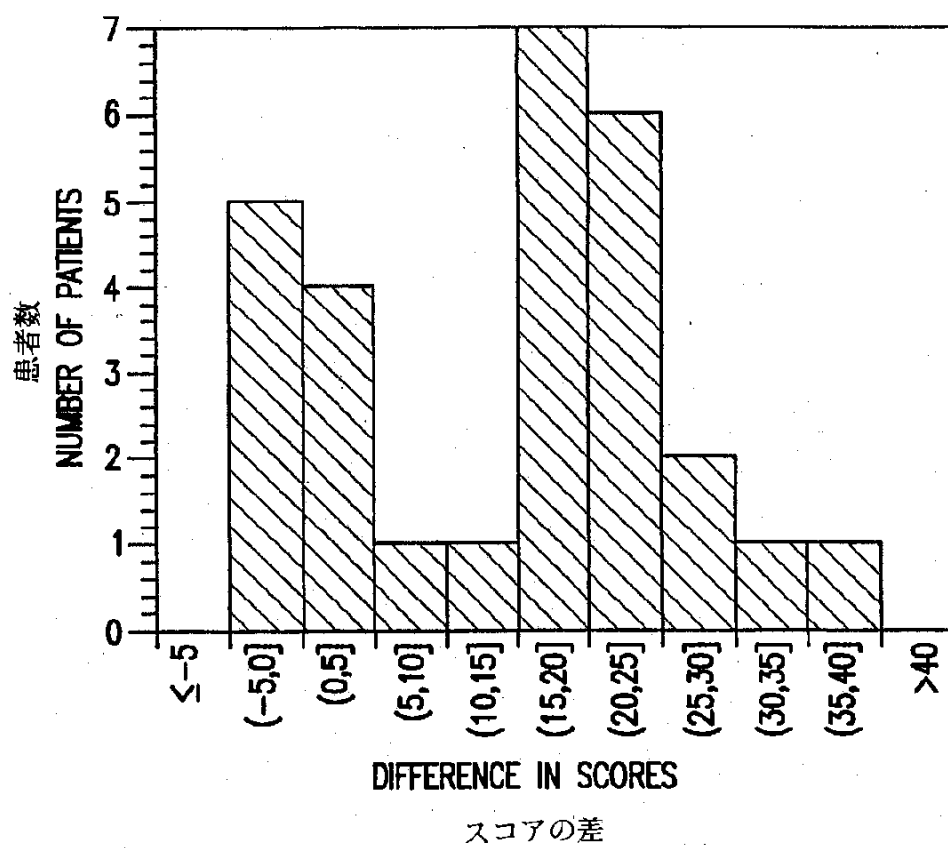


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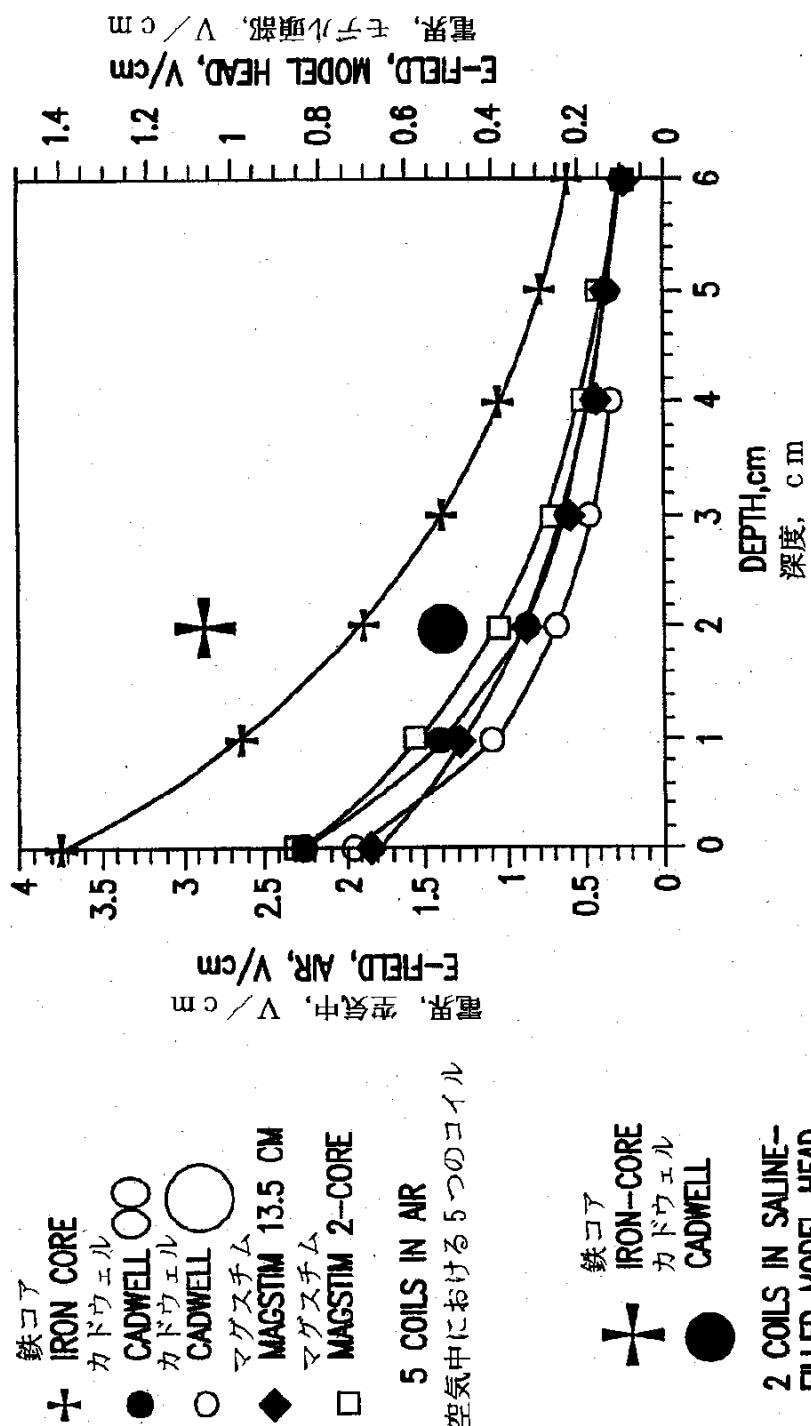


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Clinical Neurophysiology and Electro Encephalography Vol.89 No.4 1993
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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US97/14826

A. CLASSIFICATION OF SUBJECT MATTER IPC(6) : A61B 17/52; A61N 2/00 US CL : 600/009 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 600/009-015 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched NONE Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) NONE		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	RU 2008946 A (MEDIPAK INNOVATION CO) 15 March 1994, Abstract.	1, 2, 4
A	US 5,441,495 A (LIBOFF ET AL.) 15 August 1995, entire document.	1, 2, 4, 34, 36
A	US 5,116,304 A (CADWELL) 26 May 1992, entire document.	1, 2, 4, 34, 36
A	US 4,940,453 A (CADWELL) 10 July 1990, entire document.	1, 2, 4, 34, 36
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
* Special categories of cited documents: *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (see specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art *Z* document member of the same patent family		
Date of the actual completion of the international search 22 OCTOBER 1997		Date of mailing of the international search report 17 NOV 1997
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703) 305-3230		Authorized officer <i>Samuel Gilbert</i> FOR SAMUEL GILBERT Telephone No. (703) 306-3553

Form PCT/ISA/210 (second sheet) (July 1992)*

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US97/14826

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☒ Claims Nos.: 3, 5-33, 35
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

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☐

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

Form PCT/ISA/210 (continuation of first sheet(1))(July 1992)*

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